

## Replacement Sheet

A	B	C	D	E	F	G	H
1			Copyright 2000 Honeywell International Inc.				
2	Phosphor		Adjustment	Formulation	Enter	Preliminary	
3	Color	Formulation	Needed	Percent	Starting	Calculation	
4		Grams	Grams		Formulation		
5	Red	4207.71 g	0.00 g	46.24%	4000.00 g	4207.71 g	4207.71
6	Green	2613.50 g	0.00 g	28.72%	2600.00 g	2613.50 g	2613.50
7	Blue	2278.79 g	0.00 g	25.04%	2500.00 g	2278.79 g	2278.79
8	Total	9100.00 g		100.00%	9100.00 g	9100.00 g	9100.00
9							
10		u'	v'	L (fL)			
11	Calc Lamp →	0.227	0.458	4458			
12	Lamp Measurement	0.227	0.458				
13	Desired Chromaticity	0.228	0.455				

FIG. 3

## Replacement Sheet

A	B	C	D	E	F	G	H
1			Copyright 2000 Honeywell International Inc.				
2	Phosphor				Enter	Preliminary	
3	Color	Formulation	Adjustment	Formulation	Starting	Calculation	
4		Grams	Needed	Percent	Formulation		
5	Red	4207.71 g	=B5-C5	=B5/\$B\$8	4000.00 g	=B5	=(G5/\$G\$8)*\$F\$8
6	Green	2613.50 g	=B6-C6	=B6/\$B\$8	2600.00 g	=B6	=(G6/\$G\$8)*\$F\$8
7	Blue	2278.79 g	=B7-C7	=B7/\$B\$8	2500.00 g	=B7	=(G7/\$G\$8)*\$F\$8
8	Total	9100.00 g		=SUM(E5:E7)	=SUM(F5:F7)	=B8	=SUM(H5:H7)
9							
10		u'	v'	L (fL)			
11	Calc Lamp ----->	=B202	=B203	=B205			
12	Lamp Measurement	0.227	0.458				
13	Desired Chromaticity	0.228	0.455				

FIG. 19

## Replacement Sheet

L	M	N	O	P
<b>Spectral Emissions for Graph</b>				
36	Normalized			
37				
38				
39	Wavelength			
40	400	=H40/MAX(\$H\$40:\$K\$190)	=J40/MAX(\$H\$40:\$K\$190)	=K40/MAX(\$H\$40:\$K\$190)
41	=L40+2	=H41/MAX(\$H\$40:\$K\$190)	=J41/MAX(\$H\$40:\$K\$190)	=K41/MAX(\$H\$40:\$K\$190)
42	=L41+2	=H42/MAX(\$H\$40:\$K\$190)	=J42/MAX(\$H\$40:\$K\$190)	=K42/MAX(\$H\$40:\$K\$190)
43	=L42+2	=H43/MAX(\$H\$40:\$K\$190)	=J43/MAX(\$H\$40:\$K\$190)	=K43/MAX(\$H\$40:\$K\$190)
44	=L43+2	=H44/MAX(\$H\$40:\$K\$190)	=J44/MAX(\$H\$40:\$K\$190)	=K44/MAX(\$H\$40:\$K\$190)
45	=L44+2	=H45/MAX(\$H\$40:\$K\$190)	=J45/MAX(\$H\$40:\$K\$190)	=K45/MAX(\$H\$40:\$K\$190)
46	=L45+2	=H46/MAX(\$H\$40:\$K\$190)	=J46/MAX(\$H\$40:\$K\$190)	=K46/MAX(\$H\$40:\$K\$190)
47	=L46+2	=H47/MAX(\$H\$40:\$K\$190)	=J47/MAX(\$H\$40:\$K\$190)	=K47/MAX(\$H\$40:\$K\$190)
48	=L47+2	=H48/MAX(\$H\$40:\$K\$190)	=J48/MAX(\$H\$40:\$K\$190)	=K48/MAX(\$H\$40:\$K\$190)
49	=L48+2	=H49/MAX(\$H\$40:\$K\$190)	=J49/MAX(\$H\$40:\$K\$190)	=K49/MAX(\$H\$40:\$K\$190)
50	=L49+2	=H50/MAX(\$H\$40:\$K\$190)	=J50/MAX(\$H\$40:\$K\$190)	=K50/MAX(\$H\$40:\$K\$190)
51	=L50+2	=H51/MAX(\$H\$40:\$K\$190)	=J51/MAX(\$H\$40:\$K\$190)	=K51/MAX(\$H\$40:\$K\$190)
52	=L51+2	=H52/MAX(\$H\$40:\$K\$190)	=J52/MAX(\$H\$40:\$K\$190)	=K52/MAX(\$H\$40:\$K\$190)
53	=L52+2	=H53/MAX(\$H\$40:\$K\$190)	=J53/MAX(\$H\$40:\$K\$190)	=K53/MAX(\$H\$40:\$K\$190)
54	=L53+2	=H54/MAX(\$H\$40:\$K\$190)	=J54/MAX(\$H\$40:\$K\$190)	=K54/MAX(\$H\$40:\$K\$190)
55	=L54+2	=H55/MAX(\$H\$40:\$K\$190)	=J55/MAX(\$H\$40:\$K\$190)	=K55/MAX(\$H\$40:\$K\$190)
56	=L55+2	=H56/MAX(\$H\$40:\$K\$190)	=J56/MAX(\$H\$40:\$K\$190)	=K56/MAX(\$H\$40:\$K\$190)
57	=L56+2	=H57/MAX(\$H\$40:\$K\$190)	=J57/MAX(\$H\$40:\$K\$190)	=K57/MAX(\$H\$40:\$K\$190)
58	=L57+2	=H58/MAX(\$H\$40:\$K\$190)	=J58/MAX(\$H\$40:\$K\$190)	=K58/MAX(\$H\$40:\$K\$190)
59	=L58+2	=H59/MAX(\$H\$40:\$K\$190)	=J59/MAX(\$H\$40:\$K\$190)	=K59/MAX(\$H\$40:\$K\$190)
60	=L59+2	=H60/MAX(\$H\$40:\$K\$190)	=J60/MAX(\$H\$40:\$K\$190)	=K60/MAX(\$H\$40:\$K\$190)
61	=L60+2	=H61/MAX(\$H\$40:\$K\$190)	=J61/MAX(\$H\$40:\$K\$190)	=K61/MAX(\$H\$40:\$K\$190)
62	=L61+2	=H62/MAX(\$H\$40:\$K\$190)	=J62/MAX(\$H\$40:\$K\$190)	=K62/MAX(\$H\$40:\$K\$190)
63	=L62+2	=H63/MAX(\$H\$40:\$K\$190)	=J63/MAX(\$H\$40:\$K\$190)	=K63/MAX(\$H\$40:\$K\$190)
64	=L63+2	=H64/MAX(\$H\$40:\$K\$190)	=J64/MAX(\$H\$40:\$K\$190)	=K64/MAX(\$H\$40:\$K\$190)

FIG. 35

## Replacement Sheet

	L	M	N	O	P
65	=L64+2	=H65/MAX(\$H\$40:\$K\$190)	=I65/MAX(\$H\$40:\$K\$190)	=J65/MAX(\$H\$40:\$K\$190)	=K65/MAX(\$H\$40:\$K\$190)
66	=L65+2	=H66/MAX(\$H\$40:\$K\$190)	=I66/MAX(\$H\$40:\$K\$190)	=J66/MAX(\$H\$40:\$K\$190)	=K66/MAX(\$H\$40:\$K\$190)
67	=L66+2	=H67/MAX(\$H\$40:\$K\$190)	=I67/MAX(\$H\$40:\$K\$190)	=J67/MAX(\$H\$40:\$K\$190)	=K67/MAX(\$H\$40:\$K\$190)
68	=L67+2	=H68/MAX(\$H\$40:\$K\$190)	=I68/MAX(\$H\$40:\$K\$190)	=J68/MAX(\$H\$40:\$K\$190)	=K68/MAX(\$H\$40:\$K\$190)
69	=L68+2	=H69/MAX(\$H\$40:\$K\$190)	=I69/MAX(\$H\$40:\$K\$190)	=J69/MAX(\$H\$40:\$K\$190)	=K69/MAX(\$H\$40:\$K\$190)
70	=L69+2	=H70/MAX(\$H\$40:\$K\$190)	=I70/MAX(\$H\$40:\$K\$190)	=J70/MAX(\$H\$40:\$K\$190)	=K70/MAX(\$H\$40:\$K\$190)
71	=L70+2	=H71/MAX(\$H\$40:\$K\$190)	=I71/MAX(\$H\$40:\$K\$190)	=J71/MAX(\$H\$40:\$K\$190)	=K71/MAX(\$H\$40:\$K\$190)
72	=L71+2	=H72/MAX(\$H\$40:\$K\$190)	=I72/MAX(\$H\$40:\$K\$190)	=J72/MAX(\$H\$40:\$K\$190)	=K72/MAX(\$H\$40:\$K\$190)
73	=L72+2	=H73/MAX(\$H\$40:\$K\$190)	=I73/MAX(\$H\$40:\$K\$190)	=J73/MAX(\$H\$40:\$K\$190)	=K73/MAX(\$H\$40:\$K\$190)
74	=L73+2	=H74/MAX(\$H\$40:\$K\$190)	=I74/MAX(\$H\$40:\$K\$190)	=J74/MAX(\$H\$40:\$K\$190)	=K74/MAX(\$H\$40:\$K\$190)
75	=L74+2	=H75/MAX(\$H\$40:\$K\$190)	=I75/MAX(\$H\$40:\$K\$190)	=J75/MAX(\$H\$40:\$K\$190)	=K75/MAX(\$H\$40:\$K\$190)
76	=L75+2	=H76/MAX(\$H\$40:\$K\$190)	=I76/MAX(\$H\$40:\$K\$190)	=J76/MAX(\$H\$40:\$K\$190)	=K76/MAX(\$H\$40:\$K\$190)
77	=L76+2	=H77/MAX(\$H\$40:\$K\$190)	=I77/MAX(\$H\$40:\$K\$190)	=J77/MAX(\$H\$40:\$K\$190)	=K77/MAX(\$H\$40:\$K\$190)
78	=L77+2	=H78/MAX(\$H\$40:\$K\$190)	=I78/MAX(\$H\$40:\$K\$190)	=J78/MAX(\$H\$40:\$K\$190)	=K78/MAX(\$H\$40:\$K\$190)
79	=L78+2	=H79/MAX(\$H\$40:\$K\$190)	=I79/MAX(\$H\$40:\$K\$190)	=J79/MAX(\$H\$40:\$K\$190)	=K79/MAX(\$H\$40:\$K\$190)
80	=L79+2	=H80/MAX(\$H\$40:\$K\$190)	=I80/MAX(\$H\$40:\$K\$190)	=J80/MAX(\$H\$40:\$K\$190)	=K80/MAX(\$H\$40:\$K\$190)
81	=L80+2	=H81/MAX(\$H\$40:\$K\$190)	=I81/MAX(\$H\$40:\$K\$190)	=J81/MAX(\$H\$40:\$K\$190)	=K81/MAX(\$H\$40:\$K\$190)
82	=L81+2	=H82/MAX(\$H\$40:\$K\$190)	=I82/MAX(\$H\$40:\$K\$190)	=J82/MAX(\$H\$40:\$K\$190)	=K82/MAX(\$H\$40:\$K\$190)
83	=L82+2	=H83/MAX(\$H\$40:\$K\$190)	=I83/MAX(\$H\$40:\$K\$190)	=J83/MAX(\$H\$40:\$K\$190)	=K83/MAX(\$H\$40:\$K\$190)
84	=L83+2	=H84/MAX(\$H\$40:\$K\$190)	=I84/MAX(\$H\$40:\$K\$190)	=J84/MAX(\$H\$40:\$K\$190)	=K84/MAX(\$H\$40:\$K\$190)
85	=L84+2	=H85/MAX(\$H\$40:\$K\$190)	=I85/MAX(\$H\$40:\$K\$190)	=J85/MAX(\$H\$40:\$K\$190)	=K85/MAX(\$H\$40:\$K\$190)
86	=L85+2	=H86/MAX(\$H\$40:\$K\$190)	=I86/MAX(\$H\$40:\$K\$190)	=J86/MAX(\$H\$40:\$K\$190)	=K86/MAX(\$H\$40:\$K\$190)
87	=L86+2	=H87/MAX(\$H\$40:\$K\$190)	=I87/MAX(\$H\$40:\$K\$190)	=J87/MAX(\$H\$40:\$K\$190)	=K87/MAX(\$H\$40:\$K\$190)
88	=L87+2	=H88/MAX(\$H\$40:\$K\$190)	=I88/MAX(\$H\$40:\$K\$190)	=J88/MAX(\$H\$40:\$K\$190)	=K88/MAX(\$H\$40:\$K\$190)
89	=L88+2	=H89/MAX(\$H\$40:\$K\$190)	=I89/MAX(\$H\$40:\$K\$190)	=J89/MAX(\$H\$40:\$K\$190)	=K89/MAX(\$H\$40:\$K\$190)
90	=L89+2	=H90/MAX(\$H\$40:\$K\$190)	=I90/MAX(\$H\$40:\$K\$190)	=J90/MAX(\$H\$40:\$K\$190)	=K90/MAX(\$H\$40:\$K\$190)
91	=L90+2	=H91/MAX(\$H\$40:\$K\$190)	=I91/MAX(\$H\$40:\$K\$190)	=J91/MAX(\$H\$40:\$K\$190)	=K91/MAX(\$H\$40:\$K\$190)
92	=L91+2	=H92/MAX(\$H\$40:\$K\$190)	=I92/MAX(\$H\$40:\$K\$190)	=J92/MAX(\$H\$40:\$K\$190)	=K92/MAX(\$H\$40:\$K\$190)
93	=L92+2	=H93/MAX(\$H\$40:\$K\$190)	=I93/MAX(\$H\$40:\$K\$190)	=J93/MAX(\$H\$40:\$K\$190)	=K93/MAX(\$H\$40:\$K\$190)

FIG. 36

## Replacement Sheet

L	M	N	O	P
94 =L93+2	=H94/MAX(\$H\$40:\$K\$190)	=I94/MAX(\$H\$40:\$K\$190)	=J94/MAX(\$H\$40:\$K\$190)	=K94/MAX(\$H\$40:\$K\$190)
95 =L94+2	=H95/MAX(\$H\$40:\$K\$190)	=I95/MAX(\$H\$40:\$K\$190)	=J95/MAX(\$H\$40:\$K\$190)	=K95/MAX(\$H\$40:\$K\$190)
96 =L95+2	=H96/MAX(\$H\$40:\$K\$190)	=I96/MAX(\$H\$40:\$K\$190)	=J96/MAX(\$H\$40:\$K\$190)	=K96/MAX(\$H\$40:\$K\$190)
97 =L96+2	=H97/MAX(\$H\$40:\$K\$190)	=I97/MAX(\$H\$40:\$K\$190)	=J97/MAX(\$H\$40:\$K\$190)	=K97/MAX(\$H\$40:\$K\$190)
98 =L97+2	=H98/MAX(\$H\$40:\$K\$190)	=I98/MAX(\$H\$40:\$K\$190)	=J98/MAX(\$H\$40:\$K\$190)	=K98/MAX(\$H\$40:\$K\$190)
99 =L98+2	=H99/MAX(\$H\$40:\$K\$190)	=I99/MAX(\$H\$40:\$K\$190)	=J99/MAX(\$H\$40:\$K\$190)	=K99/MAX(\$H\$40:\$K\$190)
00 =L99+2	=H100/MAX(\$H\$40:\$K\$190)	=I100/MAX(\$H\$40:\$K\$190)	=J100/MAX(\$H\$40:\$K\$190)	=K100/MAX(\$H\$40:\$K\$190)
01 =L100+2	=H101/MAX(\$H\$40:\$K\$190)	=I101/MAX(\$H\$40:\$K\$190)	=J101/MAX(\$H\$40:\$K\$190)	=K101/MAX(\$H\$40:\$K\$190)
02 =L101+2	=H102/MAX(\$H\$40:\$K\$190)	=I102/MAX(\$H\$40:\$K\$190)	=J102/MAX(\$H\$40:\$K\$190)	=K102/MAX(\$H\$40:\$K\$190)
03 =L102+2	=H103/MAX(\$H\$40:\$K\$190)	=I103/MAX(\$H\$40:\$K\$190)	=J103/MAX(\$H\$40:\$K\$190)	=K103/MAX(\$H\$40:\$K\$190)
04 =L103+2	=H104/MAX(\$H\$40:\$K\$190)	=I104/MAX(\$H\$40:\$K\$190)	=J104/MAX(\$H\$40:\$K\$190)	=K104/MAX(\$H\$40:\$K\$190)
05 =L104+2	=H105/MAX(\$H\$40:\$K\$190)	=I105/MAX(\$H\$40:\$K\$190)	=J105/MAX(\$H\$40:\$K\$190)	=K105/MAX(\$H\$40:\$K\$190)
06 =L105+2	=H106/MAX(\$H\$40:\$K\$190)	=I106/MAX(\$H\$40:\$K\$190)	=J106/MAX(\$H\$40:\$K\$190)	=K106/MAX(\$H\$40:\$K\$190)
07 =L106+2	=H107/MAX(\$H\$40:\$K\$190)	=I107/MAX(\$H\$40:\$K\$190)	=J107/MAX(\$H\$40:\$K\$190)	=K107/MAX(\$H\$40:\$K\$190)
08 =L107+2	=H108/MAX(\$H\$40:\$K\$190)	=I108/MAX(\$H\$40:\$K\$190)	=J108/MAX(\$H\$40:\$K\$190)	=K108/MAX(\$H\$40:\$K\$190)
09 =L108+2	=H109/MAX(\$H\$40:\$K\$190)	=I109/MAX(\$H\$40:\$K\$190)	=J109/MAX(\$H\$40:\$K\$190)	=K109/MAX(\$H\$40:\$K\$190)
10 =L109+2	=H110/MAX(\$H\$40:\$K\$190)	=I110/MAX(\$H\$40:\$K\$190)	=J110/MAX(\$H\$40:\$K\$190)	=K110/MAX(\$H\$40:\$K\$190)
11 =L110+2	=H111/MAX(\$H\$40:\$K\$190)	=I111/MAX(\$H\$40:\$K\$190)	=J111/MAX(\$H\$40:\$K\$190)	=K111/MAX(\$H\$40:\$K\$190)
12 =L111+2	=H112/MAX(\$H\$40:\$K\$190)	=I112/MAX(\$H\$40:\$K\$190)	=J112/MAX(\$H\$40:\$K\$190)	=K112/MAX(\$H\$40:\$K\$190)
13 =L112+2	=H113/MAX(\$H\$40:\$K\$190)	=I113/MAX(\$H\$40:\$K\$190)	=J113/MAX(\$H\$40:\$K\$190)	=K113/MAX(\$H\$40:\$K\$190)
14 =L113+2	=H114/MAX(\$H\$40:\$K\$190)	=I114/MAX(\$H\$40:\$K\$190)	=J114/MAX(\$H\$40:\$K\$190)	=K114/MAX(\$H\$40:\$K\$190)
15 =L114+2	=H115/MAX(\$H\$40:\$K\$190)	=I115/MAX(\$H\$40:\$K\$190)	=J115/MAX(\$H\$40:\$K\$190)	=K115/MAX(\$H\$40:\$K\$190)
16 =L115+2	=H116/MAX(\$H\$40:\$K\$190)	=I116/MAX(\$H\$40:\$K\$190)	=J116/MAX(\$H\$40:\$K\$190)	=K116/MAX(\$H\$40:\$K\$190)
17 =L116+2	=H117/MAX(\$H\$40:\$K\$190)	=I117/MAX(\$H\$40:\$K\$190)	=J117/MAX(\$H\$40:\$K\$190)	=K117/MAX(\$H\$40:\$K\$190)
18 =L117+2	=H118/MAX(\$H\$40:\$K\$190)	=I118/MAX(\$H\$40:\$K\$190)	=J118/MAX(\$H\$40:\$K\$190)	=K118/MAX(\$H\$40:\$K\$190)
19 =L118+2	=H119/MAX(\$H\$40:\$K\$190)	=I119/MAX(\$H\$40:\$K\$190)	=J119/MAX(\$H\$40:\$K\$190)	=K119/MAX(\$H\$40:\$K\$190)
20 =L119+2	=H120/MAX(\$H\$40:\$K\$190)	=I120/MAX(\$H\$40:\$K\$190)	=J120/MAX(\$H\$40:\$K\$190)	=K120/MAX(\$H\$40:\$K\$190)
21 =L120+2	=H121/MAX(\$H\$40:\$K\$190)	=I121/MAX(\$H\$40:\$K\$190)	=J121/MAX(\$H\$40:\$K\$190)	=K121/MAX(\$H\$40:\$K\$190)

FIG. 37

## Replacement Sheet

L	M	N	O	P
=L121+2	=H122/MAX(\$H\$40:\$K\$190)	=I122/MAX(\$H\$40:\$K\$190)	=J122/MAX(\$H\$40:\$K\$190)	=K122/MAX(\$H\$40:\$K\$190)
=L122+2	=H123/MAX(\$H\$40:\$K\$190)	=I123/MAX(\$H\$40:\$K\$190)	=J123/MAX(\$H\$40:\$K\$190)	=K123/MAX(\$H\$40:\$K\$190)
=L123+2	=H124/MAX(\$H\$40:\$K\$190)	=I124/MAX(\$H\$40:\$K\$190)	=J124/MAX(\$H\$40:\$K\$190)	=K124/MAX(\$H\$40:\$K\$190)
=L124+2	=H125/MAX(\$H\$40:\$K\$190)	=I125/MAX(\$H\$40:\$K\$190)	=J125/MAX(\$H\$40:\$K\$190)	=K125/MAX(\$H\$40:\$K\$190)
=L125+2	=H126/MAX(\$H\$40:\$K\$190)	=I126/MAX(\$H\$40:\$K\$190)	=J126/MAX(\$H\$40:\$K\$190)	=K126/MAX(\$H\$40:\$K\$190)
=L126+2	=H127/MAX(\$H\$40:\$K\$190)	=I127/MAX(\$H\$40:\$K\$190)	=J127/MAX(\$H\$40:\$K\$190)	=K127/MAX(\$H\$40:\$K\$190)
=L127+2	=H128/MAX(\$H\$40:\$K\$190)	=I128/MAX(\$H\$40:\$K\$190)	=J128/MAX(\$H\$40:\$K\$190)	=K128/MAX(\$H\$40:\$K\$190)
=L128+2	=H129/MAX(\$H\$40:\$K\$190)	=I129/MAX(\$H\$40:\$K\$190)	=J129/MAX(\$H\$40:\$K\$190)	=K129/MAX(\$H\$40:\$K\$190)
=L129+2	=H130/MAX(\$H\$40:\$K\$190)	=I130/MAX(\$H\$40:\$K\$190)	=J130/MAX(\$H\$40:\$K\$190)	=K130/MAX(\$H\$40:\$K\$190)
=L130+2	=H131/MAX(\$H\$40:\$K\$190)	=I131/MAX(\$H\$40:\$K\$190)	=J131/MAX(\$H\$40:\$K\$190)	=K131/MAX(\$H\$40:\$K\$190)
=L131+2	=H132/MAX(\$H\$40:\$K\$190)	=I132/MAX(\$H\$40:\$K\$190)	=J132/MAX(\$H\$40:\$K\$190)	=K132/MAX(\$H\$40:\$K\$190)
=L132+2	=H133/MAX(\$H\$40:\$K\$190)	=I133/MAX(\$H\$40:\$K\$190)	=J133/MAX(\$H\$40:\$K\$190)	=K133/MAX(\$H\$40:\$K\$190)
=L133+2	=H134/MAX(\$H\$40:\$K\$190)	=I134/MAX(\$H\$40:\$K\$190)	=J134/MAX(\$H\$40:\$K\$190)	=K134/MAX(\$H\$40:\$K\$190)
=L134+2	=H135/MAX(\$H\$40:\$K\$190)	=I135/MAX(\$H\$40:\$K\$190)	=J135/MAX(\$H\$40:\$K\$190)	=K135/MAX(\$H\$40:\$K\$190)
=L135+2	=H136/MAX(\$H\$40:\$K\$190)	=I136/MAX(\$H\$40:\$K\$190)	=J136/MAX(\$H\$40:\$K\$190)	=K136/MAX(\$H\$40:\$K\$190)
=L136+2	=H137/MAX(\$H\$40:\$K\$190)	=I137/MAX(\$H\$40:\$K\$190)	=J137/MAX(\$H\$40:\$K\$190)	=K137/MAX(\$H\$40:\$K\$190)
=L137+2	=H138/MAX(\$H\$40:\$K\$190)	=I138/MAX(\$H\$40:\$K\$190)	=J138/MAX(\$H\$40:\$K\$190)	=K138/MAX(\$H\$40:\$K\$190)
=L138+2	=H139/MAX(\$H\$40:\$K\$190)	=I139/MAX(\$H\$40:\$K\$190)	=J139/MAX(\$H\$40:\$K\$190)	=K139/MAX(\$H\$40:\$K\$190)
=L139+2	=H140/MAX(\$H\$40:\$K\$190)	=I140/MAX(\$H\$40:\$K\$190)	=J140/MAX(\$H\$40:\$K\$190)	=K140/MAX(\$H\$40:\$K\$190)
=L140+2	=H141/MAX(\$H\$40:\$K\$190)	=I141/MAX(\$H\$40:\$K\$190)	=J141/MAX(\$H\$40:\$K\$190)	=K141/MAX(\$H\$40:\$K\$190)
=L141+2	=H142/MAX(\$H\$40:\$K\$190)	=I142/MAX(\$H\$40:\$K\$190)	=J142/MAX(\$H\$40:\$K\$190)	=K142/MAX(\$H\$40:\$K\$190)
=L142+2	=H143/MAX(\$H\$40:\$K\$190)	=I143/MAX(\$H\$40:\$K\$190)	=J143/MAX(\$H\$40:\$K\$190)	=K143/MAX(\$H\$40:\$K\$190)
=L143+2	=H144/MAX(\$H\$40:\$K\$190)	=I144/MAX(\$H\$40:\$K\$190)	=J144/MAX(\$H\$40:\$K\$190)	=K144/MAX(\$H\$40:\$K\$190)
=L144+2	=H145/MAX(\$H\$40:\$K\$190)	=I145/MAX(\$H\$40:\$K\$190)	=J145/MAX(\$H\$40:\$K\$190)	=K145/MAX(\$H\$40:\$K\$190)
=L145+2	=H146/MAX(\$H\$40:\$K\$190)	=I146/MAX(\$H\$40:\$K\$190)	=J146/MAX(\$H\$40:\$K\$190)	=K146/MAX(\$H\$40:\$K\$190)
=L146+2	=H147/MAX(\$H\$40:\$K\$190)	=I147/MAX(\$H\$40:\$K\$190)	=J147/MAX(\$H\$40:\$K\$190)	=K147/MAX(\$H\$40:\$K\$190)
=L147+2	=H148/MAX(\$H\$40:\$K\$190)	=I148/MAX(\$H\$40:\$K\$190)	=J148/MAX(\$H\$40:\$K\$190)	=K148/MAX(\$H\$40:\$K\$190)
=L148+2	=H149/MAX(\$H\$40:\$K\$190)	=I149/MAX(\$H\$40:\$K\$190)	=J149/MAX(\$H\$40:\$K\$190)	=K149/MAX(\$H\$40:\$K\$190)
=L149+2	=H150/MAX(\$H\$40:\$K\$190)	=I150/MAX(\$H\$40:\$K\$190)	=J150/MAX(\$H\$40:\$K\$190)	=K150/MAX(\$H\$40:\$K\$190)

FIG. 38

## Replacement Sheet

L	M	N	O	P
=L150+2	=H151/MAX(\$H\$40:\$K\$190)	=I151/MAX(\$H\$40:\$K\$190)	=J151/MAX(\$H\$40:\$K\$190)	=K151/MAX(\$H\$40:\$K\$190)
=L151+2	=H152/MAX(\$H\$40:\$K\$190)	=I152/MAX(\$H\$40:\$K\$190)	=J152/MAX(\$H\$40:\$K\$190)	=K152/MAX(\$H\$40:\$K\$190)
=L152+2	=H153/MAX(\$H\$40:\$K\$190)	=I153/MAX(\$H\$40:\$K\$190)	=J153/MAX(\$H\$40:\$K\$190)	=K153/MAX(\$H\$40:\$K\$190)
=L153+2	=H154/MAX(\$H\$40:\$K\$190)	=I154/MAX(\$H\$40:\$K\$190)	=J154/MAX(\$H\$40:\$K\$190)	=K154/MAX(\$H\$40:\$K\$190)
=L154+2	=H155/MAX(\$H\$40:\$K\$190)	=I155/MAX(\$H\$40:\$K\$190)	=J155/MAX(\$H\$40:\$K\$190)	=K155/MAX(\$H\$40:\$K\$190)
=L155+2	=H156/MAX(\$H\$40:\$K\$190)	=I156/MAX(\$H\$40:\$K\$190)	=J156/MAX(\$H\$40:\$K\$190)	=K156/MAX(\$H\$40:\$K\$190)
=L156+2	=H157/MAX(\$H\$40:\$K\$190)	=I157/MAX(\$H\$40:\$K\$190)	=J157/MAX(\$H\$40:\$K\$190)	=K157/MAX(\$H\$40:\$K\$190)
=L157+2	=H158/MAX(\$H\$40:\$K\$190)	=I158/MAX(\$H\$40:\$K\$190)	=J158/MAX(\$H\$40:\$K\$190)	=K158/MAX(\$H\$40:\$K\$190)
=L158+2	=H159/MAX(\$H\$40:\$K\$190)	=I159/MAX(\$H\$40:\$K\$190)	=J159/MAX(\$H\$40:\$K\$190)	=K159/MAX(\$H\$40:\$K\$190)
=L159+2	=H160/MAX(\$H\$40:\$K\$190)	=I160/MAX(\$H\$40:\$K\$190)	=J160/MAX(\$H\$40:\$K\$190)	=K160/MAX(\$H\$40:\$K\$190)
=L160+2	=H161/MAX(\$H\$40:\$K\$190)	=I161/MAX(\$H\$40:\$K\$190)	=J161/MAX(\$H\$40:\$K\$190)	=K161/MAX(\$H\$40:\$K\$190)
=L161+2	=H162/MAX(\$H\$40:\$K\$190)	=I162/MAX(\$H\$40:\$K\$190)	=J162/MAX(\$H\$40:\$K\$190)	=K162/MAX(\$H\$40:\$K\$190)
=L162+2	=H163/MAX(\$H\$40:\$K\$190)	=I163/MAX(\$H\$40:\$K\$190)	=J163/MAX(\$H\$40:\$K\$190)	=K163/MAX(\$H\$40:\$K\$190)
=L163+2	=H164/MAX(\$H\$40:\$K\$190)	=I164/MAX(\$H\$40:\$K\$190)	=J164/MAX(\$H\$40:\$K\$190)	=K164/MAX(\$H\$40:\$K\$190)
=L164+2	=H165/MAX(\$H\$40:\$K\$190)	=I165/MAX(\$H\$40:\$K\$190)	=J165/MAX(\$H\$40:\$K\$190)	=K165/MAX(\$H\$40:\$K\$190)
=L165+2	=H166/MAX(\$H\$40:\$K\$190)	=I166/MAX(\$H\$40:\$K\$190)	=J166/MAX(\$H\$40:\$K\$190)	=K166/MAX(\$H\$40:\$K\$190)
=L166+2	=H167/MAX(\$H\$40:\$K\$190)	=I167/MAX(\$H\$40:\$K\$190)	=J167/MAX(\$H\$40:\$K\$190)	=K167/MAX(\$H\$40:\$K\$190)
=L167+2	=H168/MAX(\$H\$40:\$K\$190)	=I168/MAX(\$H\$40:\$K\$190)	=J168/MAX(\$H\$40:\$K\$190)	=K168/MAX(\$H\$40:\$K\$190)
=L168+2	=H169/MAX(\$H\$40:\$K\$190)	=I169/MAX(\$H\$40:\$K\$190)	=J169/MAX(\$H\$40:\$K\$190)	=K169/MAX(\$H\$40:\$K\$190)
=L169+2	=H170/MAX(\$H\$40:\$K\$190)	=I170/MAX(\$H\$40:\$K\$190)	=J170/MAX(\$H\$40:\$K\$190)	=K170/MAX(\$H\$40:\$K\$190)
=L170+2	=H171/MAX(\$H\$40:\$K\$190)	=I171/MAX(\$H\$40:\$K\$190)	=J171/MAX(\$H\$40:\$K\$190)	=K171/MAX(\$H\$40:\$K\$190)
=L171+2	=H172/MAX(\$H\$40:\$K\$190)	=I172/MAX(\$H\$40:\$K\$190)	=J172/MAX(\$H\$40:\$K\$190)	=K172/MAX(\$H\$40:\$K\$190)
=L172+2	=H173/MAX(\$H\$40:\$K\$190)	=I173/MAX(\$H\$40:\$K\$190)	=J173/MAX(\$H\$40:\$K\$190)	=K173/MAX(\$H\$40:\$K\$190)
=L173+2	=H174/MAX(\$H\$40:\$K\$190)	=I174/MAX(\$H\$40:\$K\$190)	=J174/MAX(\$H\$40:\$K\$190)	=K174/MAX(\$H\$40:\$K\$190)
=L174+2	=H175/MAX(\$H\$40:\$K\$190)	=I175/MAX(\$H\$40:\$K\$190)	=J175/MAX(\$H\$40:\$K\$190)	=K175/MAX(\$H\$40:\$K\$190)
=L175+2	=H176/MAX(\$H\$40:\$K\$190)	=I176/MAX(\$H\$40:\$K\$190)	=J176/MAX(\$H\$40:\$K\$190)	=K176/MAX(\$H\$40:\$K\$190)
=L176+2	=H177/MAX(\$H\$40:\$K\$190)	=I177/MAX(\$H\$40:\$K\$190)	=J177/MAX(\$H\$40:\$K\$190)	=K177/MAX(\$H\$40:\$K\$190)
=L177+2	=H178/MAX(\$H\$40:\$K\$190)	=I178/MAX(\$H\$40:\$K\$190)	=J178/MAX(\$H\$40:\$K\$190)	=K178/MAX(\$H\$40:\$K\$190)
=L178+2	=H179/MAX(\$H\$40:\$K\$190)	=I179/MAX(\$H\$40:\$K\$190)	=J179/MAX(\$H\$40:\$K\$190)	=K179/MAX(\$H\$40:\$K\$190)

FIG. 39